

P-W

ST. MARY PARISH LAND CO. 1-30 Ghee-ateen
NE/SW Sec 30-T37N-R30E, Apache Co. 591

COUNTY Apache AREA 7½ mi. to Red Rock Trading Post LEASE NO. Navajo Tribal NOO-C-14-20-2291

WELL NAME ST. MARY PARISH LAND COMPANY - OIL RESOURCES, INC. 1-30 Ghee-'ateen-*Naot*

LOCATION NE/SW SEC 30 TWP 37N RANGE 30E FOOTAGE 1895' FSL - 2070' FWL
ELEV 6015 GR KB SPUD DATE 8-23-72 STATUS P & A TOTAL 3198
COMP. DATE 9-8-72 DEPTH 3198

CONTRACTOR Signal Oil Well Services

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY	X
<u>10 3/4"</u>	<u>30'</u>	<u>25 sx</u>		DRILLED BY CABLE TOOL	
<u>7 5/8"</u>	<u>1225'</u>	<u>160 sx</u>		PRODUCTIVE RESERVOIR	
				INITIAL PRODUCTION	

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
Chinle	Surface			
De Chelly	548	X		
Organ Rock	1214	X		
Supai Evaporites	1647	X		
Hermosa	2358			
Paradox (Blk. Sh.)	3024			
Barker Creek	3053			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG
Sidewall Neutron Porosity-2			Am Strat
Dual Induction-2			SAMPLE DESCRP.
			SAMPLE NO. <u>1710</u>
			CORE ANALYSIS
			DSTs

REMARKS Water entry after drilling plug on 7 5/8" csg. Squeezed bottom of csg. with 100 sx., failed to shut off water and switched from air to mud.

APP. TO PLUG
PLUGGING REP.
COMP. REPORT X

WATER WELL ACCEPTED BY

BOND CO. FEDERAL INSURANCE COMPANY BOND NO. 8055-40-07
BOND AMT. \$ 5,000 CANCELLED 7-19-73 DATE
FILING RECEIPT 2926 LOC. PLAT X WELL BOOK X PLAT BOOK X
API NO. 02-001-20168 DATE ISSUED 8-2-72 DEDICATION 80 acres E/2 SW/4

PERMIT NUMBER 591

(over)

NO.	FROM	TO	RESULTS
1	2987	3110	IF-5 min. ISI-3 hrs. Tool open 1 hr., weak to moderate blow of air decreasing to weak at end of test. Rec 340' drl. mud. 1st FP 7-14# I SIP 791#, 2nd FP 126#, FSIP 248# Bht 92°. IHP 1396# FHP 1389#

REMEDIAL HISTORY			
DATE STARTED - COMPLETED		WORK PERFORMED	NEW PERFORATIONS

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG									
DESIGNATE TYPE OF COMPLETION:									
New Well <input checked="" type="checkbox"/>	Work-Over <input type="checkbox"/>	Deepen <input type="checkbox"/>	Plug Back <input type="checkbox"/>	Same Reservoir <input type="checkbox"/>	Different Reservoir <input type="checkbox"/>	Oil <input type="checkbox"/>	Gas <input type="checkbox"/>	Dry <input type="checkbox"/>	
DESCRIPTION OF WELL AND LEASE									
Operator St. Mary Parish Land Co.				Address 1010 Denver Center Bldg., Denver, Colo.					
Federal, State or Indian Lease Number or name of lessor if fee lease Navajo Tribal NOO-C-14-20-2291-Ghee-ateen				Well Number 1-30		Field & Reservoir Wildcat			
Location 1895 ft. fr. S. line, 2070 ft. fr. W. line				County Apache					
Sec. TWP-Range or Block & Survey Sec. 30, T37N, R30E, G.S.R.M.									
Date spudded 8-23-'72		Date total depth reached 9-7-'72		Date completed, ready to produce 9-8-72		Elevation (DF, REB, RT or Gr.) KB 6025		Elevation of casing hd. flange -	
Total depth 3198'		P.B.T.D. -		Single, dual or triple completion? -		If this is a dual or triple completion, furnish separate report for each completion.			
Producing interval (s) for this completion None				Rotary tools used (interval) 0-3198		Cable tools used (interval) -			
Was this well directionally drilled? No		Was directional survey made? -		Was copy of directional survey filed? -		Date filed -			
Type of electrical or other logs run (check logs filed with the commission) Dual Induction-Laterolog; SW Neutron Porosity w/Gamma Ray								Date filed -	
CASING RECORD									
Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)									
Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled			
Conductor	12 1/4"	10 3/4"	32.75	30 ft.	25 sx.	None			
Water	9 5/8"	7 5/8"	26.4 & 24.0	1226 ft.	160 sx	None			
TUBING RECORD					LINER RECORD				
Size None in.	Depth set ft.	Packer set at ft.	Size None in.	Top ft.	Bottom ft.	Sacks cement	Screen (ft.)		
PERFORATION RECORD					ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD				
Number per ft.	Size & type	Depth Interval			Am't. & kind of material used		Depth Interval		
None					None				
INITIAL PRODUCTION									
Date of first production None			Producing method (indicate if flowing, gas lift or pumping—If pumping, show size & type of pump:)						
Date of test	Hrs. tested	Choke size	Oil prod. during test bbls.	Gas prod. during test MCF	Water prod. during test bbls.	Oil gravity ° API (Corr)			
Tubing pressure	Casing pressure	Cal'd rate of Pro-duction per 24 hrs.	Oil bbls.	Gas MCF	Water bbls.	Gas-oil ratio			
Disposition of gas (state whether vented, used for fuel or sold): Dry Hole									
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the...Agent...of the St. Mary Parish Land Co. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.									
Date Sept. 11, 1972			Signature <i>[Signature]</i>						
RECEIVED									
SEP 14 1972			STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION						
O & G CONS. COMM.			Well Completion or Recompletion Report and Well Log						
Permit No. 591			Form No. 4 File One Copy						

(Complete Reverse Side)

DETAIL OF FORMATIONS PENETRATED			
Formation	Top	Bottom	Description*
See attached			

INSTRUCTIONS:

This Well Completion or Recompletion report and well log shall be filed with the State of Arizona Oil & Gas Conservation Commission not later than thirty days after project completion.

Form No. 4

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 33.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Item 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

No cores taken. Drill stem test #1: 2987-3110 (Barker Creek "B" Zone): IF-5 min., ISI - 3 hrs, open 1 hr. weak blow air immediately, incr. to moderate in 15 min., decr. to weak at end of test. Recovered 340 ft. of drlg. mud, no shows. Tstd same as mud from pits. 1st FP-7-14#, Init. SIP-791#, 2nd FP-126#, FSNP-284#, BHT-920F, IHH-1396#, FHH-1389#

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Triassic Chinle Fm.	Spud	548'	Red-browned & red-orange sandy siltstones & silty shales with occasional fine-grain sandstones.	SEE DATA TO LEFT		
Permian DeChelley SS	548'	1214'	White to pale orange, unconsolidated or loosely consolidated, friable, porous, well-sorted quartz sandstone of fine to very coarse, subrounded clear & frosted quartz grains. Probably water bearing.			
Organ Rock Mbr. Supai Fm. & P. S.	1214'	2358'	Bright rust-red, hard, dense sandy siltstone dark red-brown to bright red-orange, hard to soft, sandy, anhydritic siltstone.			
Pennsylvanian Hermosa Fm.	2358'	3024'	Light to medium gray to tan, dense, hard amorphous crystalline limestones with abundant chert in part.			
Paradox blackshale	3024'	3053'	Black grading to med. to dark gray, very hard, sandy shale.			
Barker Creek Zones of Paradox Fm.	3053'	3198'	Limestones-white to light gray to occ. very finely crystalline to very finely chaetetes fossils, few other types. Secondary calcite cementation.			

September 8, 1972

Memo to file No. 591
St. Mary Parish Land Company
NE/SW Section 30-T37N-R30E
Apache County

Memo from W. E. Allen, Director
Enforcement Section

Bill Spear called for permission to plug the above referenced well. The proposed plugging program is to set a 200' cement plug from T.D. of 3200' back up to 3000'. 100' plug from 1276' to 1176', and 50' top plug with regulation dry hole marker.

Log tops on this well are:

De Chelly	548
Organ Rocks	1214
Supai Evaporites	1629
Hermosa	2358
Paradox Black	
Shale	3023
Barker Creek to	
B Zone	3074
Base of B Zone	3110
Base of Barker	
Creek	3200 T. D.

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NOO-C-14-20-2291

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NAVAJO TRIBAL

7. UNIT AGREEMENT NAME

NONE

8. FARM OR LEASE NAME

Ghee-ateen

9. WELL NO.

1-30

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

S30-T37N-R30E GSRM

12. COUNTY OR PARISH 13. STATE

Apache Arizona

SUNDRY NOTICES AND REPORTS ON WELLS
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

St. Mary Parish Land Company

3. ADDRESS OF OPERATOR

1010 Denver Center Bldg., Denver, Colo. 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface

1895 ft. from South Line, 2070 ft. from West Line

14. PERMIT NO.

15. ELEVATIONS (Show whether DP, RT, OR, etc.)

6015' Ground, 6025' Kelly Bushing

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZING

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Sept 8, 1972 - Well total depth 3198 ft.

The well was plugged and abandoned in the following manner upon verbal approval by M. L. Seelinger, U.S.G.S.:

Set regular cement plugs with drill pipe and pump truck at

3198 ft. (T.D.) to 3000 ft. with 50 sacks.

1275 ft. to 1175 ft. (across bottom of 7 5/8" csg. set at

1226 ft.) with 25 sacks.

50 ft. to surface with 50 sacks.

Set pipe dry hole marker, indicating well name and location in bradenhead at surface. No casing was pulled.

RECEIVED

SEP 14 1972

O & G CONS. COMM.

18. I hereby certify that the foregoing is true and correct

SIGNED

M. L. Seelinger

TITLE

Agent

DATE

Sept. 11, 1972

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

W.D.
St. Mary Parish Land Co. - Oil Resources, Inc.
#1 - 30 Ghee-áteen (Horse Trail)

DATE TIME DEPTH

9-2-72	8:00 AM	2315	Drlg. in Lower Supia Shales and siltstones with bit #6. Mud wt 8.9, vis 35, wtr ls 9.8. Top of Lower Supia 2110.
9-3-72	8:00 AM	2525	Drlg. in Hermosa Limestones with bit #7. Bit #6, a rerun Hughes Tool Co. J-55, made 532' in 53 hrs. (a total run of 2483' in 101 1/2 hrs.) Tatco @2370 w/1-1/4" Mud wt 8.9#, vis 34, wtr ls 10. Sample top of Hermosa 2360'. Top of Massive Limestones 2521'.
9-4-72	8:00 AM	2724	Drlg in Hermosa Limestones with bit #7. Mud wt 8.9, vis 35, wtr ls 10. Tatco 2745 - 1"
9-5-72	8:00 AM	2898	Drlg in Hermosa limestones with Bit #7. Mud wt 8.7, vis, 33, wtr ls 10.
9-7-72	8:00 AM	3110	TD 3110'. Present operations circulating to clean hole. DST #1 2987-3110. Paradox Barker Creek 'B' zone. Initial show period of 5 mins. ISI 3 hrs. Open 1 hr. Weak blow of air immediately. Then increased to moderate in 15 mins. Decreased to weak at end of test period. Rec. 340' of drilling mud, no shows. Hp 10396 - 10389# FP 7 - 14# ISIP 791# End of second flow 60- 126# FSIP 284 in 2 hrs. BHT 92".
9-8-72	8:00AM	3198	Have run logs and are now WOO.

RECEIVED

SEP 11 1972

O & G CONS. COMM.

Sept. 1, 1972
Gentlemen,

We have received samples on the following well:

St. Mary Parish Land Co, # 1-30 Ghee-Ateen
Sec. 30-37N-30E
Apache Co, Ariz.

Thank You,

Jo Ratcliff

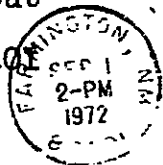
Jo Ratcliff, Mgr.

RECEIVED

SEP 03 1972

O & G CONS. COMM.

Four Corners Sample Cut
P.O. Box 899
Farmington, N. C. 87401



OIL & GAS CONSERVATION COMMISSION
STATE OF ARIZONA
TELEPHONE 271-5181
PHOENIX, ARIZONA 85007

4515 No. 7th ave

WELL SITE CHECK

By W.E.C.

Date 8-31-72

Contractor Signal Oil Well Services

Spud Date 8-9-72

Type Rig Idesco Rotary ☒ Cable ☐

Samples Remble

Pipe 7 5/8 @ 1226

Water Zones Just under Pipe

Lost Circ. Zones _____

Formation Tops _____

Cores, Logs, DST _____

Crews 3 - 4 MEN

Person(s) Contacted Reacock

Driller No Co. MEN
ON LOCATION

Present Operations _____

Drilling @ 1897

Drilling with Mud ☒ Air ☐

Size Hole 6 1/4

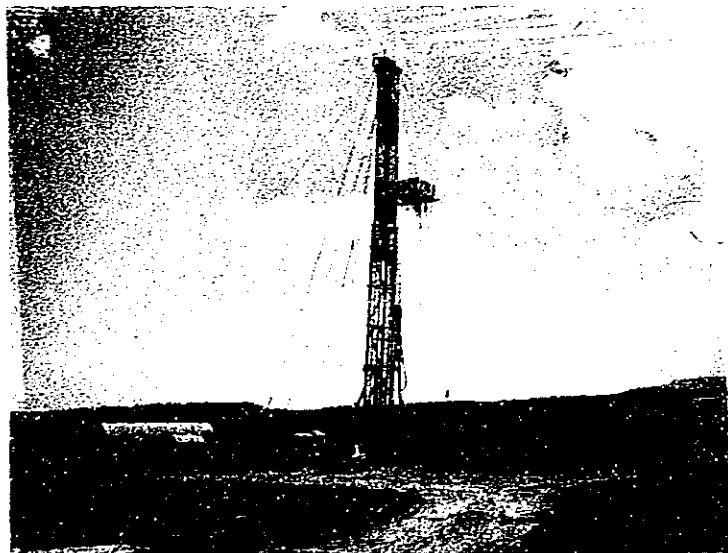
Size Drill Pipe 3 1/2

Type Bit J-55 Hughes

No. Bit _____ Drilling Rate _____

Formation _____

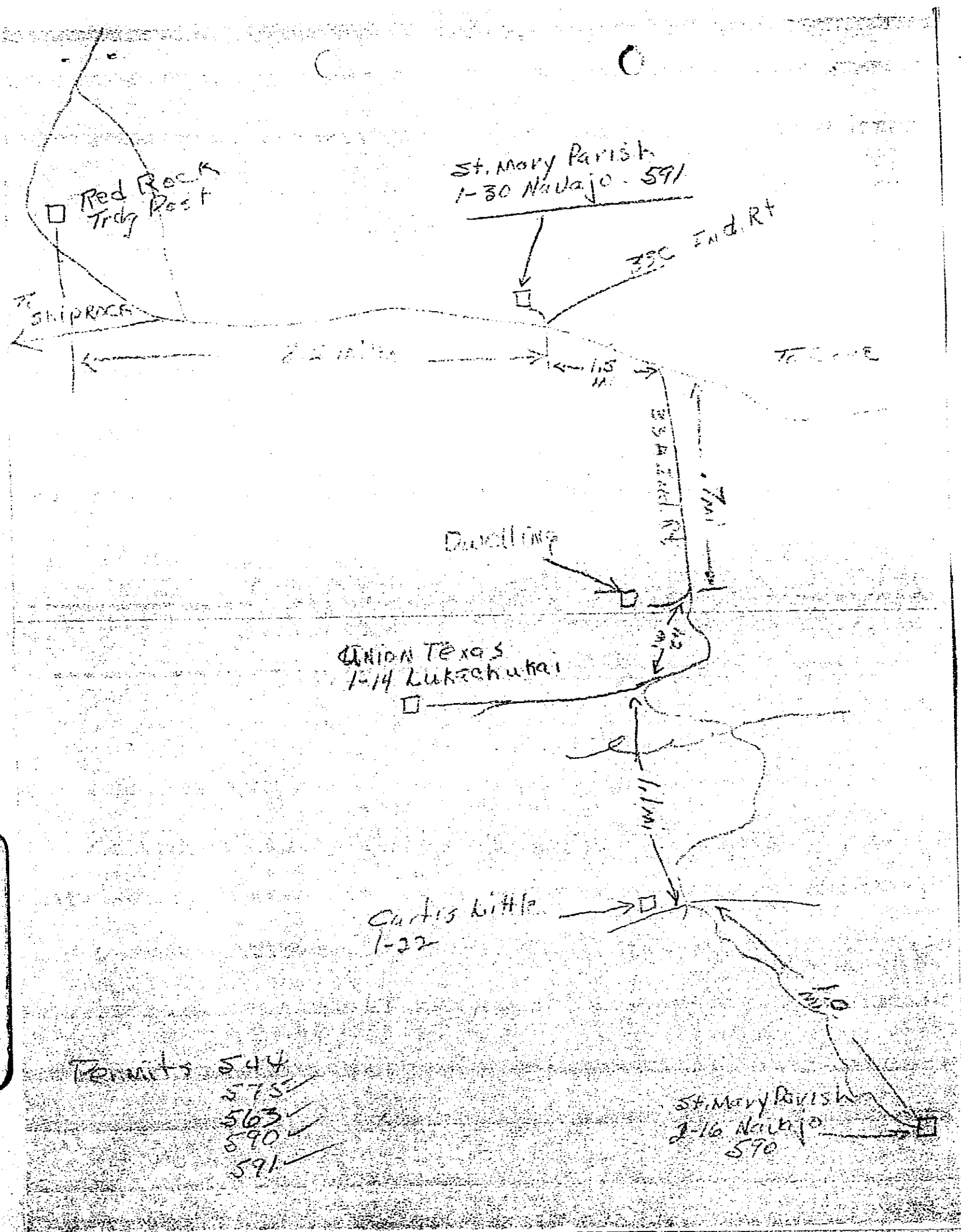
Lithology _____



See Map
Attached

WELL NAME St. Mary Parish
1-30

Permit No. 591
Confidential Yes ☒ No ☐



W 18
St. Mary Parish Land Co. - Oil Resources, Inc.
#1-30 Ghee-áteen (Horse Trail)
1895' FSL, 2070' FWL, Section 30, T 37N, R 30E
Apache County, Arizona
Ungraded ground elevation - 6015' DF - 6026'
Estimated T.D. - 3225'
Contractor: Signal Oilfield Service, Inc. - Rig #8

DATE TIME DEPTH

8- 9-72		30	Spud 7 A.M. w/ Ludwick shallow rig. Drilled rat-hole and surface hole to 30'. Ran 1 jt, 10 3/4", 32.75#, H-40, LT&C csg to 30'. Set @ 30' w/25 sx reg cmt w/3% CaCl. Circulated to surface. Plug down at noon. Waiting on rotary tools.
8-23-72	8:00AM	30	Signal rig has moved in and expects to spud today.
8-24-72	8:00AM	535	Drlg w/Bit #1 - 9 7/8", S-3. Mud 8.8, vis 32, wtr ls 10. Dev. 1 1/2° @ 256, 1 1/4° @ 409.
8-25-72	8:00AM	917	Drlg w/Bit #2. Bit #1 made 897' in 38 1/4 hrs. Mud 8.9, vis 39, wtr ls 8.6. Dev. 1 1/4° @ 597, 1 1/2° @ 713. SAMPLE TOP: DeChelly ss - 549.
8-26-72	8:00AM	1225	SAMPLE TOP: Organ Rock - 1214. Ran 35 jts. 7 5/8" csg (18 jts 26.4#, J&K-55, ST&C and 17 jts 24.0#, H-40, ST&C) 1241.43' set @ 1225.98 w/60 sx Halliburton light cmt, 2% CaCl and 100 sx reg cmt, 2% CaCl. Plug down @ 8:15 AM, 8-26-72. WOC. Will drill out w/air @ 2:00 AM, 8-27.
8-27-72			2:00AM drlg out cmt & shoe. Commenced drlg @ 7:00AM. Dusting good. Drld to 1405. Ceased dusting. Water to surface. Pulled back inside csg - checked water levels - water entry below csg shoe - (no hole in pipe). Probable DeChelly ss water & bad cmt job. Set Halliburton packer @ 1200 - squeezed formation w/100 sx reg cmt w/2% CaCl. Held back pressure for 1 hr 45 min - unseated packer and re-set packer @ 1125. Held back pressure 45 min. Squeeze pressure 1800# - released packer. Squeeze job completed @ 8:15 P.M. WOC Will drl out @ 2:15 PM 8-28-72.
8-28-72	8:00AM	1405	WOC. Will drl out @ 2:15 PM.
8-29-72	8:00AM	1418	Waiting on orders. Drld cmt hole, came wet.
8-30-72	8:00AM	1663	Drlg. Mud wt 8.9, vis 35, wtr ls 8.8. Converted system from air to mud @ 1418.
8-31-72	8:00AM	1863	Tripping. Mud wt. 8.8, vis 36, wtr ls 9.2, fltr cke 2/32. SAMPLE TOP: Supai - 1647. Estimate Hermosa @ 2390.
9- 1-72	8:00AM	2065	Drlg. Bit #6 - 3 3/4" made 202' in 21 3/4 hrs. Mud wt 8.9, vis 34, wtr ls 8.2. No survey.

RECEIVED

SEP 05 1972

O & G CONS. COMM.

Regional Oil & Gas Supervisor

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Indian Affairs,
holder of lease

DISTRICT LAND OFFICE: Navajo Area Office, Window Rock, Arizona
CONTRACT NO. NOO-C-14-20-2291

and hereby designates

NAME: St. Mary Parish Land Company
ADDRESS: 1010 Denver Center Building, Denver, Colorado 80203

as its operator and local agent, with full authority to act in its behalf
in complying with the terms of the lease and regulations applicable there-
to and on whom the supervisor or its representative may serve written or
oral instructions in securing compliance with the Operating Regulations
with respect to

T. 37 N., R. 30 E., G.S.R.M.

Section 30: SW/4

Apache County, Arizona

It is understood that this designation of operator does not relieve
the lessee of responsibility for compliance with the terms of the lease
and the Operating Regulations. It is also understood that this designa-
tion of operator does not constitute an assignment of any interest in the
lease.

In case of default on the part of the designated operator, the lessee
will make full and prompt compliance with all regulations, lease terms,
or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in
the designated operator.

ATTEST: *m. B. moulton*
Assistant Secretary
Date: 7-11-72

GULF OIL CORPORATION
By *J. A. G. Hall*
Attorney-in-Fact
P. O. Box 1150, Midland, Texas 79701

RWT
59

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL ☒

RE-ENTER OLD WELL ☐

St. Mary Parish Land Company - Oil Resources, Inc.

NAME OF COMPANY OR OPERATOR

1010 Denver Center Bldg., Denver, Colorado 80203

Address

City

State

Not selected

Drilling Contractor

Address

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number, or if fee lease, name of lessor	Well number	Elevation (ground)
Navajo Tribal NOO-C-14-20-2291	1-30 Ghee-steen	6015
Nearest distance from proposed location to property or lease line:	Distance from proposed location to nearest drilling, completed or applied—for well on the same lease:	
2070 feet	None feet	
Number of acres in lease:	Number of wells on lease, including this well, completed in or drilling to this reservoir:	
2559 acres ±	None	
If lease, purchased with one or more wells drilled, from whom purchased:	Name	Address
Not applicable		
Well location (give footage from section lines)	Section—township—range or block and survey	Dedication (Comply with Rule 105)
1895' FSL, 2070' FWL	30-T37N-R30E, G.S.R.M.	80 ac. (E/2 SW/4)
Field and reservoir (if wildcat, so state)	County	
Wildcat	Apache	
Distance, in miles, and direction from nearest town or post office		
7 1/2 miles to Red Rock Trading Post		
Proposed depth:	Rotary or cable tools	Approx. date work will start
3225	Rotary	July 28, 1972
Bond Status	Organization Report	Filing Fee of \$25.00
Applied for	On file <input checked="" type="checkbox"/> Or attached	Attached <input checked="" type="checkbox"/> yes
Amount \$5,000	Remarks: It is proposed to drill this well with rotary tools using water as a circulating medium to an intermediate casing depth of 1270' where 7 5/8" casing will be set. Well will then be drilled with air to approx. 3075' where stiff foam will be used to drill through expected pay zone (Barker Creek zone of Paradox fm.) to TD of 3225. All zones possibly productive of hydrocarbons will be tested and/or produced. Estimated formation tops: DeChelly ss - 597'; Organ Rock - 1224'; Hermosa - 2547'; Paradox - 2930'.	

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the agent of the St. Mary Parish Land Company (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Signature Wm. B. Speer

Date

Permit Number: 591

Approval Date: 8-2-72

Approved By: [Signature]

Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Application to Drill or Re-enter
File Two Copies

Form No. 3

(Complete Reverse Side)

1. Operator shall outline the dedicated acreage for both oil and gas wells on the plat. (Attached)
2. A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
3. All distances shown on the plat must be from the outer boundaries of the Section.
4. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES ☒ NO ☐
5. If the answer to question four is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES ☒ NO ☐ If answer is "yes," Type of Consolidation _____
6. If the answer to question four is "no," list all the owners and their respective interests below:

Owner	Land Description														
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> </div> <div style="width: 50%; padding-left: 10px;"> <p style="text-align: center;">CERTIFICATION</p> <p>I hereby certify that the information above is true and complete to the best of my knowledge and belief.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 20%;">Name</td><td>Wm. R. Speer</td></tr> <tr><td>Position</td><td>Agent</td></tr> <tr><td>Company</td><td>St. Mary Parish Land Co</td></tr> <tr><td>Date</td><td>July 17, 1972</td></tr> </table> <p>I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 20%;">Date Surveyed</td><td>June 18, 1972</td></tr> <tr><td>Registered Professional Engineer and/or Land Surveyor</td><td>Fred B. Kerr, Jr.</td></tr> <tr><td>Certificate No.</td><td>3950</td></tr> </table> </div> </div>		Name	Wm. R. Speer	Position	Agent	Company	St. Mary Parish Land Co	Date	July 17, 1972	Date Surveyed	June 18, 1972	Registered Professional Engineer and/or Land Surveyor	Fred B. Kerr, Jr.	Certificate No.	3950
Name	Wm. R. Speer														
Position	Agent														
Company	St. Mary Parish Land Co														
Date	July 17, 1972														
Date Surveyed	June 18, 1972														
Registered Professional Engineer and/or Land Surveyor	Fred B. Kerr, Jr.														
Certificate No.	3950														

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
10 3/4"			0	60'	60'	To surface
7 5/8"			0	1270'	1270'	165 sx
4 1/2"	(if required)		0	T.D.	3225'	50 sx

COMPANY St. Mary's Parish Land Co.-Oil Resources Inc.

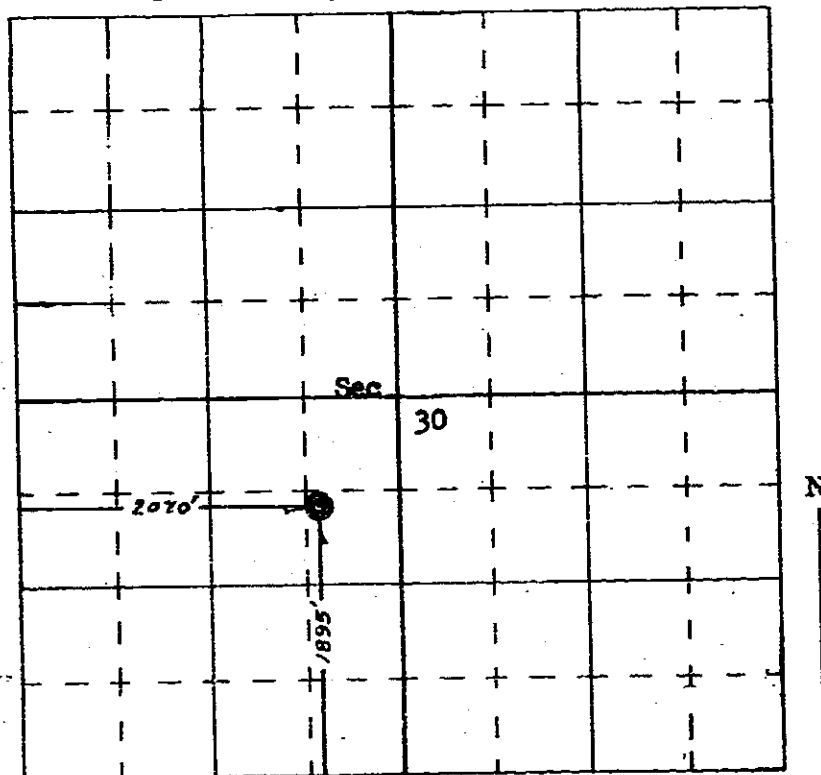
LEASE Ghee-ateen WELL NO. 1-30

SEC. 30 T. 37N R. 30E

LOCATION 1895'FSL 2070'FWL

ELEVATION 6015 ungraded ground

Apache County, Arizona



SCALE—4 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPER-
VISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

SEAL:

Fred B. Kerr Jr.
Registered Land Surveyor
Fred B. Kerr Jr. #3950

SURVEYED June 18, 1972

FARMINGTON, N. M.

58/50



PERMIT TO DRILL

This constitutes the permission and authority from the
OIL AND GAS CONSERVATION COMMISSION,
STATE OF ARIZONA,

To: ST. MARY PARISH LAND COMPANY - OIL RESOURCES, INC.
(OPERATOR)

to drill a well to be known as

ST. MARY PARISH LAND COMPANY 1-30 GHEE-'ATEEN
(WELL NAME)

located 1895' FSL - 2070' FWL

Section 30 Township 37N Range 30E, Apache County, Arizona.

The 80 acres (E/2 SW/4) of said
Section, Township and Range is dedicated to this well.

Said well is to be drilled substantially as outlined in the attached Application and must be drilled
in full compliance with all applicable laws, statutes, rules and regulations of the State of Arizona.

Issued this 2nd day of August, 19 72.

OIL AND GAS CONSERVATION COMMISSION

By

W.E. Allen for J.B.
EXECUTIVE SECRETARY

PRIOR TO BEING ALLOWED TO PRODUCE THIS WELL
YOU MUST BE IN FULL COMPLIANCE WITH RULE
105, SECTION A THRU G (SPACING), WITH RESPECT
TO THE PRODUCT TO BE PRODUCED.

PERMIT N^o 591

RECEIPT NO. 2926

API NO. 02-001-20168

SAMPLES ARE REQUIRED

State of Arizona
Oil & Gas Conservation Commission

Permit to Drill

FORM NO. 27

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS

Bond Serial No. 8055-40-07

That we: ST. MARY PARISH LAND COMPANY

of the County of DENVER in the State of COLORADO

as principal, and FEDERAL INSURANCE COMPANY

of 90 JOHN STREET, NEW YORK, N. Y. 10038

AUTHORIZED TO DO BUSINESS WITHIN the State of Arizona.

as surety, are held and firmly bound unto the State of Arizona and the Oil and Gas Conservation Commission, hereinafter referred to as the "Commission", in the penal sum of FIVE THOUSAND AND NO/100 (\$5,000.00) DOLLARS lawful money of the United States, for which payment, well and truly to be made, we bind ourselves, and each of us, and each of our heirs, executors, administrators or successors, and assigns jointly and severally, firmly by these presents.

The conditions of this obligation are that, whereas the above bounden principal proposes to drill a well or wells for oil, gas or stratigraphic purposes in and upon the following described land situated within the State, to-wit:

SW/4 OF SEC. 30, TOWNSHIP 37 NORTH, RANGE 30 EAST, GSRM, APACHE CO., ARIZONA

(May be used as blanket bond or for single well)

NOW, THEREFORE, if the above bounden principal shall comply with all the provisions of the Laws of this State and the rules, regulations and orders of the Commission, especially with reference to the requirements of A.R.S. § 27-516, providing for the proper drilling, casing and plugging of said well or wells, and filing with the Oil and Gas Conservation Commission all notices and records required by said Commission, then in the event said well or wells do not produce oil or gas in commercial quantities, or cease to produce oil or gas in commercial quantities, this obligation is void; otherwise it shall remain in full force and effect.

Whenever the principal shall be, and declared by the Oil and Gas Conservation Commission in violation of the Laws of this State and the rules, regulations and orders of the Commission, the surety shall promptly:

1. Remedy the violation by its own efforts, or
2. Obtain a bid or bids for submission to the Commission to remedy the violation, and upon determination by the Commission and the Surety of the lowest responsible bidder, arrange for a contract between such bidder and the Commission, and make available as work progresses sufficient funds to pay the cost of remedying the violation; but not exceeding, including other costs and damages for which the surety may be liable hereunder, the amount set forth in the first paragraph hereof.

Liability under this bond may not be terminated without written permission of this Commission.

WITNESS our hands and seals, this 5th day of JULY, 19 72

ST. MARY PARISH LAND COMPANY

BY:

William C. Rago, Vice President

Principal

WITNESS our hands and seals this 5th day of JULY, 19 72

FEDERAL INSURANCE COMPANY

CANCELLED

DATE 7-19-72

BY:

Eugene A. Dierckx

Surety

Mary F. Nieters, Attny.-in-fact

(If the principal is a corporation, the bond should be executed by its duly authorized officers, with the seal of the corporation affixed. When principal or surety executes this bond by agent, power of attorney or other evidence of authority must accompany the bond.)

Approved Date

8-2-72

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

By:

W. B. C.

Permit No. 591

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

Bond

File Two Copies

Form No. 2

Certified Copy of
POWER OF ATTORNEY

Know all Men by these Presents, That the FEDERAL INSURANCE COMPANY, 90 John Street, New York, New York, a New Jersey Corporation, has constituted and appointed, and does hereby constitute and appoint

M. J. Fauchald, Edward F. Reid, Mary F. Nieters and Gerideane Tracey
of Denver, Colorado - - - - -

each its true and lawful Attorney-in-Fact to execute under such designation in its name and to affix its corporate seal to and deliver for and on its behalf as surety thereon or otherwise, bonds or obligations given or executed in the course of its business, and any instruments amending or altering the same, and consents to the modification or alteration of any instruments referred to in said bonds or obligations.

In Witness Whereof, the said FEDERAL INSURANCE COMPANY has, pursuant to its By-Laws, caused these presents to be signed by its Assistant Vice President and Assistant Secretary and its corporate seal to be hereto affixed this 14th day of June 1972

FEDERAL INSURANCE COMPANY
By



George McClellan
George McClellan
Assistant Vice-President

John MacGregor
John MacGregor
Assistant Secretary

STATE OF NEW YORK

County of New York

ss.:

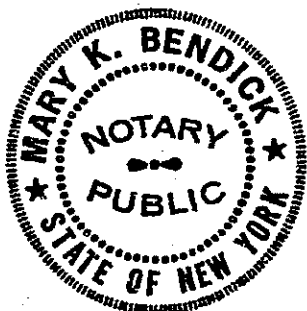
On this 14th day of June 1972 before me personally came John MacGregor, to me known and by me known to be Assistant Secretary of the FEDERAL INSURANCE COMPANY, the Corporation described in and which executed the foregoing Power of Attorney and the said John MacGregor being by me duly sworn, did depose and say that he resides in the City of Short Hills, in the State of New Jersey; that he is Assistant Secretary of the FEDERAL INSURANCE COMPANY and knows the corporate seal thereof; that the seal affixed to the foregoing Power of Attorney is such corporate seal and was thereto affixed by authority of the By-Laws of said Company and that he signed said Power of Attorney as Assistant Secretary of said Company by like authority; that he is acquainted with George McClellan and knows him to be Assistant Vice-President of said Company, and that the signature of said George McClellan subscribed to said Power of Attorney is in the genuine handwriting of said George McClellan and was thereto subscribed by authority of said By-Laws and in deponent's presence.

Acknowledged and Sworn to before me
on the date above written

Mary K. Bendick

Notary Public

MARY K. BENDICK
Notary Public, State of New York
No. 24-0237960
Qualified in Kings County
Certificate filed in New York County
Commission Expires March 30, 1973



CITY AND COUNTY OF NEW YORK: ss

I, the undersigned, Assistant Secretary of the FEDERAL INSURANCE COMPANY, do hereby certify that the following is a true excerpt from the By-Laws of the said Company as adopted by its Board of Directors on March 11, 1953 and amended May 27, 1971 and that this By-Law is in full force and effect.

"ARTICLE XVIII.

Section 2. All bonds, undertakings, contracts and other instruments other than as above for and on behalf of the Company which it is authorized by law or its charter to execute, may and shall be executed in the name and on behalf of the Company either by the Chairman or the Vice Chairman or the President or a Vice-President, jointly with the Secretary or an Assistant Secretary, under their respective designations, except that any one or more officers or attorneys-in-fact designated in any resolution of the Board of Directors or the Executive Committee, or in any power of attorney executed as provided for in Section 3 below, may execute any such bond, undertaking or other obligation as provided in such resolution or power of attorney.

Section 3. All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the Vice-Chairman or the President or a Vice-President or an Assistant Vice-President, jointly with the Secretary or an Assistant Secretary, under their respective designations."

And I further certify that I have compared the foregoing copy of the POWER OF ATTORNEY with the original thereof and the same is a correct and true copy of the whole of said original Power of Attorney and that said Power of Attorney has not been revoked.

And I further certify that said FEDERAL INSURANCE COMPANY is duly licensed to transact fidelity and surety business in each of the States of the United States of America, District of Columbia, Puerto Rico, and each of the Provinces of Canada with the exception of Prince Edward Island; and is also duly licensed to become sole surety on bonds, undertakings, etc., permitted or required by law.

Given under my hand and seal of said Company at New York, N. Y., this FIFTH day of

JULY, 19 72

C. Zaltman
Assistant Secretary

CANCELLED

DATE 7-19-73

CURTIS J. LITTLE
CONSULTING GEOLOGIST

~~XXXXXXXXXXXXXXXXXXXX~~
~~XXXXXXXXXXXXXXXXXXXX~~
~~XXXXXXXXXXXXXXXXXXXX~~

1600 Broadway, Suite 1560
Denver, Colorado 80202

August 1, 1972

Mr. John Bannister
Arizona Oil & Gas Conservation Commission
4515 North 7th Avenue
Phoenix, Arizona 85013

Re: 2-16 Tseh-da-kate
Sec. 16, T 37N, R 29E


1-30 Ghee-ateen
Sec. 30, T 37N, R 30E

Apache County, Arizona

Dear John:

Enclosed are two (2) copies each of executed Performance Bonds required
for subject locations.

Best regards,


Anne B. Little

abl
encls

cc: St. Mary Parish Land Co.
William R. Speer



CHUBB & SON INC.

518-17th Street, Denver, Colorado 80202 • Phone: (303) 266-0805

July 10, 1973

CHUBB/PACIFIC
INDEMNITY GROUP
1050 LINCOLN ST.
DENVER, COLO. 80203

State of Arizona
Oil and Gas Conservation Commission
1624 W. Adams
Phoenix, Arizona 85000

Request for Termination of Bond
Principal: St. Mary Parish Land Company
Bond Number: 8055-40-07
Type of Bond: Oil and Gas Drilling Bond
Effective Date: July 5, 1972

Gentlemen:

☒ Information has reached us that this bond is no longer required and should be terminated as of July 5, 1973 *

☐ The bond provides it may be cancelled by the Surety's giving _____ days written notice to the Obligor. Please consider this letter as such notice.

Will you please favor us with appropriate reply on the enclosed extra copy of this request, accepting our thanks for your early cooperation.

*SW/4, S. 30, T.37N, R.30E, GSRM,
Apache Co., Arizona

Very truly yours,

FEDERAL INSURANCE COMPANY

BY CHUBB & SON INC. MANAGER

Mary F. Nieters
Mary F. Nieters (Miss)
Surety Dept.

RECEIVED

JUL 13 1973

O & G CONS. COMM.

(Check Box Applicable)

☒ The information given to you is correct and you are authorized to terminate future liability as Surety from and after 7-19-73

☐ This bond may not be terminated and must continue in full force and effect

Obligee: Oil & Gas Conservation Commission

BY W.B. Cole

Title Director, Enforcement Section

Date 7-19-73



CHUBB CORPORATION COMPANIES: Chubb & Son Inc. • Federal Insurance Company • Pacific Indemnity Company
Colonial Life Insurance Company of America • Vigilant Insurance Company • Great Northern Insurance Company • Northwestern
Pacific Indemnity Company • Texas Pacific Indemnity Company • Federal Business Products, Inc. • Macro Services Corporation.

ST. MARY PARISH LAND COMPANY
1776 LINCOLN STREET, DENVER, COLORADO 80203
TELEPHONE: 303/244-5569

July 17, 1973

Oil and Gas Conservation Commission
State of Arizona
4515 North 7th Avenue
Phoenix, Arizona 85013

Attention: W. E. Allen, Director
Enforcement Section

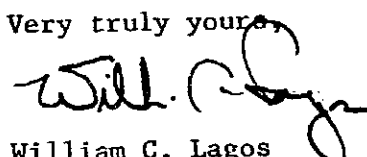
Re: 1-30Ghee-'ateen
NESW Sec. 30, T37N-R30E
Apache County
Your File: 591

2-16 Tseh-da'-kate'
NWSE Sec. 16, T37N-R29E
Apache County
Your File: 590

Gentlemen:

In furtherance of your letter of July 13, 1973, this is to
advise you that we desire to cancel the bonds on the captioned
wells.

Very truly yours,


William C. Lagos

WCL:jr

RECEIVED

JUL 18 1973

O & G CONS. COMM.

July 13, 1973

Mr. William R. Speer
St. Mary Parish Land Company
1010 Denver Center Building
Denver, Colorado 80203

Re: 1-30 Ghee-'ateen
NE/SW Sec 30-T37N-R30E
Apache County
File No. (591)

2-16 Tsah-da'-kate'
NW/SE Sec 16-T37N-R29E
Apache County
File No. 590

Dear Mr. Speer:

We have received a request from Chubb & Son Inc., for cancellation of the bonds on the above referenced wells. Since your Company has complied with all the rules and regulations of the Oil and Gas Conservation Commission of the State of Arizona, we have no objections to the cancellation of these bonds if that is your desire. Would you please advise us if you wish these bonds to be released.

Very truly yours,

W. E. Allen, Director
Enforcement Section

WEA/rb

August 3, 1972

Mrs. Jo Ratcliff
Four Corners Sample Cut Association
P. O. Box 899
Farmington, New Mexico 87401

Dear Mrs. Ratcliff:

The following permit was issued since July 21, 1972.

St. Marh Parish Land Company
2-16 Tseh-da'-kate'
NW/SE Section 16-T36N-R-29E
Apache County-our File No. 590

and,

St. Mary Parish Land Company
1-30 Ghee-'ateen
NE/SW Section 30-T37N-R30E
Apache County-our File No. 591

Very truly yours,

W. E. Allen, Director
Enforcement Section

WEA/r1b

August 3, 1972

Mr. Frank Getscher
P. O. Box 98
Scottsdale, Arizona 85252

Dear Mr. Getscher:

The following permit was issued on August 2, 1972.

St. Mary Parish Land Company
1-30 Ghee-'ateen
NE/SW Section 30-T37N-R30E
Apache County
Our File #590

St. Mary Parish Land Company
2-16 Tseh-da'-kate'
NW/SE Section 16-T37N-R29E
Apache County
Our File #590

Very truly yours,

W. E. Allen, Director
Enforcement Section

WEA/r1b

August 2, 1972

Mr. William R. Spear
Consulting Geologist
Petroleum Club Plaza Building
P. O. Box 255
Farmington, New Mexico 87401

Re: St. Mary Parish Land Company
1-30 Ghee-'ateen
NE/SW Section 30-T37N-R30E
Apache County
Our File #590

St. Mary Parish Land Company
2-16-Tseh-da'-kate'
NW/SE Section 16-T37N-R29E
Apache County
Our File #590

Dear Mr. Spear:

Enclosed please find Receipt Nos. 2925 and 2926, covering the \$25 filing fee per well. Also a copy of your Approved Application for Permit to Drill and Permit to Drill Nos. 590 and 591.

Also enclosed are miscellaneous instruction sheets concerning samples and other Commission requirements.

Very truly yours,

W. E. Allen, Director
Enforcement Section

WEA/rlb

Encs.

WILLIAM R. SPEER
CONSULTING GEOLOGIST
Petroleum Club Plaza Bldg.
Farmington, New Mexico 87401

P.O. BOX 255 PHONE 505-325-7789
Certified Petroleum Geologist #238
Petroleum and Mineral Evaluation and Management

July 17, 1972

Mr. John Barnister
Arizona Oil & Gas Conservation Commission
1515 No. 7th Avenue
Phoenix, Arizona 85013

Dear John,

Enclosed are applications for permit to drill two wells in Apache Co., Arizona. I will be acting as agent for St. Mary Parish Land Co., who will be the operator for these wells. It is my understanding that Bill Lagos, Vice-President for St. Mary, has previously talked to you about the requirements for operating in Arizona, ie. Organization Report, Bonding, etc. I also understand that he has filed the organization report and has applied for the bonds through their insurance agents in Denver. If you have not recieved copies or verification of each, please let me know. I would appreciate your returning the approval for these applications to me at Box 255, Farmington, New Mexico, 87401, rather than to St. Mary's office in Denver. Looking forward to finding oil for you, Arizona and St. Mary's et al!

Very truly yours,

Bill

William R. Speer

WRS/as

PAYEE: DETACH THIS STATEMENT BEFORE DEPOSITING CHECK

ST. MARY PARISH LAND COMPANY

DATE	INVOICE NO.	DESCRIPTION	AMOUNT	DISCOUNT OR DEDUCTION	NET AMOUNT
		Drilling Application for Well 1-30 Strange Wash AFE .043			25.00
		<i>Api-02-001-20168</i>	<i>NO 591</i>		

2593